

**Listing of the Claims:**

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1        1. (Currently Amended) An internet connection system, comprising:  
2                ~~for connecting~~ a plurality of terminals, each terminal located in each  
3        ~~of a plurality of~~ predetermined locations, each terminal arranged to  
4        generate communications having a location identifier unique to the  
5        terminal; and to internet accessed by the terminal, wherein:  
6                a gateway arranged to receive the communications from the  
7        terminals and to selectively connect the terminals to the internet, arranged  
8        to record a communication band usage for each of the terminals indicating  
9        a quantity of communications through the gateway having the unique  
10       location identifier of the terminal, and arranged to generate a  
11       communication fee data unique to each terminal, the communication fee  
12       data based on a ratio of the recorded communication band usage for the  
13       terminal to a total of the recorded communication band usage of all of the  
14       plurality of terminals  
15               ~~each location, in which a terminal in communication is provided, is~~  
16       ~~discriminated, the used communication band is recorded for each location,~~  
17       ~~and a communication fee is determined based on the used communication~~  
18       ~~band recorded for each location.~~

2-6. (Canceled).

- 1        7. (Currently Amended) An internet connection system, comprising  
2        ~~wherein:~~

3           a plurality of gateways, each arranged in a predetermined location,  
4           each connected to the internet via an access line associated with the  
5           gateway;

6           a ~~at least one~~ terminal located in each of the plurality of  
7           predetermined locations, connected to the gateway, each terminal  
8           arranged to generate communications having a location identifier unique  
9           to the terminal, and

10           ~~a gateway connected to the terminal are provided in each of a~~  
11           ~~plurality of predetermined locations, terminal being connected to the~~  
12           ~~internet via an access line connected to the gateway, and to selectively~~  
13           ~~connect the in each location;~~

14           wherein the plurality of gateways are arranged to detect a  
15           communication load through each of the access lines, are arranged to  
16           compare the detected communication band usage and, based on the  
17           comparing, to selectively connect the terminals to the internet through the  
18           access line having a comparatively lower communication load extent of the  
19           ~~access line connected via the gateway is compared for each location, the~~  
20           ~~terminal being connected to internet via the gateway, to which a less~~  
21           ~~communication extent access line is connected; and~~

22           a charging server connected to the plurality of gateways,  
23           arranged to record a communication band usage for each of the  
24           terminals reflecting a quantity of communications between each of the  
25           terminals and the internet based on the location identifier within the  
26           communications, and arranged to generate a communication fee data  
27           unique to each terminal, based on a ratio of the recorded  
28           communication band usage associated with the terminal to a total of  
29           the recorded communication band usage of all of the plurality of  
30           terminals

31 ~~locations, in which terminals in communication are provided, is~~  
32 ~~discriminated, the used communication band is recorded for each~~  
33 ~~location, and a communication fee is computed based on the used~~  
34 ~~communication band recorded for each location.~~

8. (Canceled)

1 9. (Currently Amended) An internet system, comprising wherein:  
2 a plurality of wireless LAN base stations, each located in a  
3 corresponding predetermined location;  
4 a at least one wireless terminal located in each of the predetermined  
5 locations, each wireless terminal wireless LAN connected to the wireless  
6 LAN base station wireless LAN in the same predetermined location and  
7 connected to the wireless terminal are provided in each of a plurality of  
8 predetermined locations;  
9 at least one wireless terminal wireless LAN connected to the  
10 wireless LAN base station in an belonging to the afore-said one location is  
11 provided in a different location adjacent predetermined to the afore-said  
12 location, wherein each terminal is arranged to generate communications  
13 having a location identifier unique to the terminal; and  
14 the wireless terminal is connected to internet via the a gateway  
15 connected to the plurality of wireless LAN base stations, the gateway  
16 having and an access line connected to the internet, gateway; and  
17 wherein the wireless LAN base stations, wireless terminals and  
18 gateway are arranged to selectively connectively connect each of the  
19 wireless terminals to the internet through a selectable one of the wireless  
20 LAN base station to which the wireless terminal is wireless LAN  
21 connected, and

22        wherein the gateway is arranged to record a communication band  
23        usage for each of the terminals, identifying a quantity of communications  
24        between each of the terminals and the internet based on the unique  
25        location identifiers with the communications, and is arranged to generate a  
26        communication fee data unique to each of the wireless terminals, based on  
27        a ratio of the recorded communication band usage for the wireless terminal  
28        associated with the data to a total of the recorded communication band  
29        usage of all of the wireless terminals

30        ~~locations, in which terminals in communication are provided, is~~  
31        ~~discriminated, the used communication band is recorded for each location,~~  
32        ~~and a communication fee is computed based on the used communication~~  
33        ~~band recorded for each location.~~

1        10. (Currently Amended) An internet connection system, wherein:  
2        a plurality of wireless LAN base stations, each located in a  
3        corresponding predetermined location;  
4        a at least one wireless terminal located in each of the predetermined  
5        locations, each wireless terminal wireless LAN connected to a plurality of  
6        the wireless LAN base stations, one of the plurality of wireless LAN base  
7        stations located in the same predetermined location as the wireless  
8        terminal and the other of the plurality of connected to the wireless  
9        terminal are provided in each of a plurality of predetermined locations;  
10       ~~each wireless terminal is also wireless LAN connected to the~~  
11       ~~wireless LAN base stations located in a different location other than the~~  
12       ~~own location; and~~  
13       ~~the wireless LAN base stations belonging to the plurality of~~  
14       ~~locations are connected to a common gateway connected to the plurality of~~  
15       wireless LAN base stations and having an and connected to internet via an  
16       access line connected to the internet gateway; and

17        wherein the wireless LAN base stations, wireless terminals and  
18        gateway are arranged to measure a communication speed from each of the  
19        wireless terminals to the internet through each of the plurality of wireless  
20        LAN base stations to which the wireless terminal is wireless LAN  
21        connected, and are arranged to selectively connectively connect the  
22        wireless terminals to the internet through the gateway and through the  
23        wireless LAN base station of the plurality of wireless LAN base stations  
24        having the highest measured communication speed

25        ~~the speed of communication between the wireless terminal in~~  
26        ~~communication and the wireless LAN base station belonging to a different~~  
27        ~~location wireless LAN connected to the wireless terminal in~~  
28        ~~communication, the wireless terminal being connected to internet via a~~  
29        ~~wireless LAN base station of a higher measured communication speed, the~~  
30        ~~gateway and the access line.~~

1        11. (Currently Amended) An internet connection system, wherein:  
2        a plurality of wireless LAN base stations, each located in a  
3        corresponding predetermined location;  
4        a ~~at least one~~ wireless terminal located in each of the predetermined  
5        locations, each wireless terminal wireless LAN connected to a sub-plurality  
6        of the wireless LAN base stations, one of the sub-plurality of wireless LAN  
7        base stations located in the same predetermined location as the wireless  
8        terminal and the other of the sub-plurality of ~~connected to the wireless~~  
9        ~~terminal are provided in each of a plurality of predetermined locations;~~  
10        ~~each wireless terminal is also wireless LAN connected to the~~  
11        wireless LAN base stations located in a different location other than the  
12        own location; and  
13        ~~the wireless LAN base stations belonging to the plurality of~~  
14        ~~locations are connected to a common gateway connected to the plurality of~~

15 wireless LAN base stations, the common gateway having an and connected  
16 to internet via an access line connected to the internet, gateway;

17 wherein the wireless LAN base stations, wireless terminals and  
18 gateway are arranged to measure a communication speed from each of the  
19 wireless terminals to the internet through each of the plurality of wireless  
20 LAN base stations to which the wireless terminal is wireless LAN  
21 connected, and are arranged to selectively connectively connect the  
22 wireless terminals to the internet through the gateway and through the  
23 wireless LAN base station of the plurality of wireless LAN base stations  
24 having the highest measured communication speed,

25 ~~the speed of communication between the wireless terminal in~~  
26 ~~communication and the wireless LAN base station belonging to a different~~  
27 ~~location wireless LAN connected to the wireless terminal in~~  
28 ~~communication, the wireless terminal being connected to internet via a~~  
29 ~~wireless LA base station of a higher measured communication speed, the~~  
30 ~~gateway and the access line; and~~

31 further comprising a charging server, connected to the common gateway,  
32 arranged to record a communication band usage for each of the terminals  
33 indicating a quantity of communications between the terminal and the  
34 internet, based on the unique location identifiers within the  
35 communications, and arranged to generate a communication fee data  
36 unique to each of the wireless terminals, based on a ratio of the recorded  
37 communication band usage for the wireless terminal associated with the  
38 data to a total of the recorded communication band usage of all of the  
39 wireless terminals

40 ~~locations, in which terminals in communication are provided, is~~  
41 ~~discriminated, the used communication band is recorded for each location,~~  
42 ~~and a communication fee is computed based on the used communication~~  
43 ~~band recorded for each location.~~

1 12. (Currently Amended) An internet connection system, wherein:  
2 a plurality of wireless LAN base stations, each located in a  
3 corresponding predetermined location;  
4 a ~~at least one~~ wireless terminal located in each of the predetermined  
5 locations, each wireless terminal wireless LAN connected to a plurality of  
6 the wireless LAN base stations, one of the plurality of wireless LAN base  
7 stations located in the same predetermined location as the wireless  
8 terminal and the other of the plurality of ~~connected to the wireless~~  
9 terminal are provided in each of a plurality of predetermined locations;  
10 each ~~wireless terminal is also wireless LAN connected to the~~  
11 wireless LAN base stations located in a different location ~~other than the~~  
12 own location;  
13 wherein each of the wireless LAN base stations is ~~belonging to the~~  
14 plurality of locations are respectively connected to the internet via a  
15 corresponding gateway and a corresponding ~~to gateways and connected to~~  
16 internet via an access line connected to the gateway; and  
17 wherein the wireless LAN base stations, wireless terminals and  
18 gateway are arranged to measure a communication speed from each of the  
19 wireless terminals to the internet through each of the plurality of wireless  
20 LAN base stations to which the wireless terminal is wireless LAN  
21 connected, and are arranged to selectively connectively connect the  
22 wireless terminals to the internet through the gateway and through the  
23 wireless LAN base station of the plurality of wireless LAN base stations  
24 having the highest measured communication speed  
25 the speed of ~~communication between the wireless terminal in~~  
26 ~~communication and the wireless LAN base station belonging to a different~~  
27 ~~location wireless LAN connected to the wireless terminal in~~  
28 ~~communication, the wireless terminal being connected to internet via a~~

29 ~~wireless LAN base station of a higher measured communication speed, the~~  
30 ~~gateway and the access line.~~

1 13. (Currently Amended) An internet connection system, comprising  
2 wherein:

3 a plurality of wireless LAN base stations, each located in a  
4 corresponding predetermined location;

5 a ~~at least one~~ wireless terminal located in each of the predetermined  
6 locations, each wireless terminal wireless LAN connected to a sub-plurality  
7 of the wireless LAN base stations, one of the sub-plurality of wireless LAN  
8 base stations located in the same predetermined location as the wireless  
9 terminal and the other of the sub-plurality of ~~connected to the wireless~~  
10 ~~terminal are provided in each of a plurality of predetermined locations;~~

11 ~~each wireless terminal is also wireless LAN connected to the~~  
12 wireless LAN base stations located in a different location ~~other than the~~  
13 ~~own location;~~

14 wherein each of the wireless LAN base stations ~~is belonging to the~~  
15 ~~plurality of locations are~~ respectively connected to the internet via a  
16 corresponding gateway and a corresponding ~~to gateways and connected to~~  
17 ~~internet via an~~ access line connected to the gateway; and

18 wherein the wireless LAN base stations, wireless terminals and  
19 gateway are arranged to measure a communication speed from each of the  
20 wireless terminals to the internet through each of the sub-plurality of  
21 wireless LAN base stations to which the wireless terminal is wireless LAN  
22 connected, and are arranged to selectively connectively connect the  
23 wireless terminals to the internet through the gateway and through the  
24 wireless LAN base station of the sub-plurality of wireless LAN base  
25 stations having the highest measured communication speed



26 ~~the speed of communication between the wireless terminal in~~  
27 ~~communication and the wireless LAN base station belonging to a different~~  
28 ~~location wireless LAN connected to the wireless terminal in~~  
29 ~~communication, the wireless terminal being connected to internet via a~~  
30 ~~wireless LAN base station of a higher measured communication speed, the~~  
31 ~~gateway and the access line; and~~

32 further comprising a charging server, connected to the common  
33 gateway, arranged to record a communication band usage for each of the  
34 terminals indicating a quantity of communications between each of the  
35 terminals and the internet, based on the unique location identifiers within  
36 the communications, and arranged to generate a communication fee data  
37 unique to each of the wireless terminals, based on a ratio of the recorded  
38 communication band usage for the wireless terminal associated with the  
39 data to a total of the recorded communication band usage of all of the  
40 wireless terminals

41 ~~locations, in which terminals in communication are provided, is~~  
42 ~~discriminated, the used communication band is recorded for each location,~~  
43 ~~and a communication fee is computed based on the used communication~~  
44 ~~band recorded for each location.~~

1 14. (Currently Amended) The internet connection system according to  
2 claim 1, wherein the gateway and the terminals are arranged to assign a  
3 preset maximum communication speed is preset for each location, and are  
4 arranged to detect a communication band sum for each location,  
5 representing a sum of communications generated by all terminals  
6 associated with the location, and are arranged to set, in response to the  
7 detected communication band sum exceeding the maximum  
8 communication speed, a the communication operation of all of the  
9 terminals associated with the location is set to a waiting state when the

10 ~~communication band sum in the location, in which the terminal is~~  
11 ~~provided, exceeds the maximum communication speed and is resumed- and~~  
12 ~~to resume the communication operation of all of the terminals in the~~  
13 ~~location when the detected communication band sum becomes lower than~~  
14 ~~the maximum communication speed for the location.~~

1 15. (Currently Amended) The internet communication system according to  
2 claim 1, wherein the gateway and the terminals are arranged to assign a  
3 quantity of communication bands to each of the predetermined locations,  
4 and are arranged to re-assign a quantity of the communication bands  
5 assigned to a predetermined location to another of the predetermined  
6 locations, and are arranged to generate a use fee data based on said re-  
7 assigning ~~a user in one location uses the communication band of a user in~~  
8 ~~a different location, and the user in the afore-said location pays the use fee~~  
9 ~~to the user in the different location.~~

1 16. (Currently Amended) The internet communication system according to  
2 claim 1, wherein each of the terminals are arranged to include a MAC  
3 address and to generate communication reflecting the MAC address, and  
4 wherein the gateway includes a register to store authorized MAC  
5 addresses for each of the predetermined locations, and wherein the  
6 gateways is arranged to enable communications between each of the  
7 terminals and the internet based on the MAC address of the  
8 communicating terminal being one of the stored authorized MAC  
9 addresses, and wherein the gateway is arranged to detect and store for  
10 each of the predetermined locations ~~wherein a signal permitting only~~  
11 ~~terminals having preliminary registered MAC addresses is outputted, and~~  
12 ~~the MAC addresses, the numbers of the locations, in which the terminals~~  
13 ~~are provided, the total communication extent[[s]] of all the terminals~~

14 having authorized MAC addresses associated with the location, and to  
15 detect and store, for each of the locations, the ratio[[s]] of the total  
16 communication extent[[s]] of the terminals having authorized MAC  
17 addresses associated with the location to the total communication extent  
18 speeds of all the terminals having authorized MAC addresses associated  
19 for any of the locations, whereby ~~and the~~ distributions of the ratios are  
20 used for fee computation.

1 17. (Original) The internet communication system of claim 1, wherein the  
2 locations are rooms.